Cylinders - - - - - - - -23" x 32".
Dia. of drivers - - - - - - - 63".
Dia. engine wheel tks. - - - - 33".

WHEELBASE

Driving - - - - - - - - - 17' 6".
Engine - - - - - - - - - - 26' 5".

WEIGHT

On drivers - - - - - 215,500 lbs.
On Engine trucks - - 26,000 lbs.
Total - - - - - - - - 241,500 lbs.

BEARINGS

Main - - - - - - - - - 10½" x 12".
Others - - - - - - - - 9½" x 12".
Engine trucks - - - - - 6" x 12".
Tender trucks - - - - - 5½" x 10".

Cylinder vol. Cu. Ft. - - - 15.39.

Ratio = $\frac{\text{Heating Surface}}{\text{Cylinder Volume}}$ 222.8.

Boiler Capacity Rating - - - 102%.

TENDER

Wheel base - - - - - - - 20' 10".
Dia. of truck wheels - - - - 33".

CAPACITIES

Water - - - - - - - - 7,500 gals.
Coal - - - - - - - - - - 12 tons.

GENERAL

Valve gear - - - - - - Walschaert.
Diameter of valve - - - - - - 14".
Steam lap - - - - - - - - - - 1".
Exhaust - - - - - - Line and Line.
Lead - - - - - - - - - - - - - ¼".
Air pumps - Westinghouse (2) 11".
Air brakes - - - - - - - - - E.T.
Max. cyl. H.P. - - - - - - - 1,904.
Tractive effort - - - - - - 45,680.
Factor of adhesion - - - - - 4.72.

BOILER

Pressure - - - - - - - - 200 lbs.
Dia, smokebox 83 5/8" I.S.; 84 5/8" O.D.
Dia. first course 83 5/8" I.S.; 81 5/8" O.D.
Dia. second course 81 5/8" I.S.; 83¼" O.D.
Thickness of smoke sheet - - - ½".
Thickness of 1st course - 13/16".
Thickness of 2nd course - 13/16".
Thickness of wrapper sheet 9/16".

FIREBOX

Length inside - - - - - - - 109".
Width inside - - - - - - - - 76".
Grate area (sq. ft.) - - - - 57.5.
Thickness of crown sheet - 3/8".
" side and door sheet - 3/8".
" tube sheet - - - - - - - ½".

WATER SPACE

Front - - - - - - - - - - - - 4½".
Back and sides - - - - - - - 4½".

TUBES

Number - - - - - - - - - - - 260.
Diameter outside - - - - - - - 2".
Length - - - - - - - - - 15' 0½".
Spacing - - - - - - - - - - - 3/4".
Gauge - - - - - - - - - #11 B.W.G.

FLUES

Number - - - - - - - - - - - - 24.
Diameter, outside - - - - 5 3/8".
Length - - - - - - - - - 15' 0½".
Spacing - - - - - - - - - - - 3/4".
Gauge - - - - - - - - - #11 B.W.G.

HEATING SURFACE (sq. ft.)

Tubes - - - - - - - - - - - 2,037.
Flues - - - - - - - - - - - - 713.
Arch tubes and firebox - - - 212.
Total - - - - - - - - - - 2,962.
Superheat - - - - - - - - - - 566.